L Number	Hits	Search Text	DB	Time stamp
-	11	((group ADJ I ADJ Intron)or (intron ADJ encoded)) and (chromosome$2 NEAR mammal$10)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/12/17 14:18
-	17	((group ADJ I ADJ Intron)or (intron ADJ encoded)) and I-sceI$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2002/04/22 13:58
-	90	(I-SCE$2 I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) and (eukaryo$5 animal$2 mammal$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/12/17 14:19
-	380	I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/02/05 19:27
-	49	(I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) and (eukaryo$5 animal$2 mammal$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/03/28 14:48
-	48	(I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) and (homo$5 recomb$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/02/05 19:40
-	5	(I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/02/05 19:34
-	2	wo NEAR "9614408"	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/02/05 19:38
-	87	(I-SCE$2 I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) and (homo$5 recomb$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/04/04 16:18
-	44	(I-SCE$2 I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) NEAR site	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/03/11 13:35
-	35	((I-SCE$2 I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) NEAR site) and chromosome	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/03/11 13:37
-	8	((I-SCE$2 I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) NEAR site) and (mammal$5 NEAR chromosome)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/03/11 13:40
-	0	((I-SCE$2 I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) NEAR site) SAME (mammal$5 NEAR chromosome)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/03/11 13:40
-	6	(I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) SAME (eukaryo$5 animal$2 mammal$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/03/28 14:48

-	543	(group ADJ I ADJ Intron)or (intron ADJ encoded)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/04/04 16:12
-	178	((group ADJ I ADJ Intron)or (intron ADJ encoded)) and transgenic	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/04/04 16:12
-	450	I-SCE$2 I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/04/04 16:18
-	55	(I-SCE$2 I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) and transgenic	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/04/04 16:14
-	9	(I-SCE$2 I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) and transgenic.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/04/04 16:14
-	9	DUJON NEAR BERNARD	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/04/04 16:17
-	39	(I-SCE$2 I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) WITH cell	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/04/04 16:28
-	44	(I-SCE$2 I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) WITH (eukaryotic mammalian cell)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/04/04 16:48
-	15	(I-SCE$2 I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) WITH mouse	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/04/04 16:50
-	12	DUJON-BERNARD	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/12/17 14:17
-	82	(I-SCE$2 I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) AND transgenic	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/12/17 14:19
-	55	(I-SCE$2 I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) AND transgenic SAME mouse	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/12/17 14:20
-	6	(I-SCE$2 I-CSM$2 I-pan$2 I-ceu$2 I-ppo$2 I-cre$2 I-tev$2) AND transgenic SAME mouse.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/12/17 14:20
-	14	(US-5948678-$ or US-5866361-$ or US-5792632-$ or US-6238924-$ or US-5962327-$ or US-5474896-$ or US-5792633-$ or US-5420032-$ or US-6395959-$ or US-5830729-$ or US-6566579-$).did. or (WO-9614408-$ or WO-2074965-$).did. or (US-5792632-$).did.	USPAT; EPO; DERWENT	2003/12/17 15:07

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=> d his

     (FILE 'HOME' ENTERED AT 18:16:38 ON 18 DEC 2003)

     FILE 'MEDLINE, AGRICOLA, CANCERLIT, SCISEARCH, CAPLUS, MEDICONF' ENTERED
     AT 18:17:15 ON 18 DEC 2003
L1          3087 S I-SCE? OR I-CSM? OR I-PAN? OR I-CEU? OR I-PPO? OR I-CRE? OR I
L2            72 S L1 AND TRANSGENIC
L3            39 DUP REM L2 (33 DUPLICATES REMOVED)
L4            39 SORT L3 PY
L5        181965 S TRANSGENIC?
L6            57 S L1 (L) L5
L7            26 DUP REM L6 (31 DUPLICATES REMOVED)
L8             8 S L7 AND MOUSE
L9             8 SORT L8 PY
L10           26 SORT L7 PY
                 E BERNARD D?/AU
                 E BERNARD DU?/AU
                 E BERNARD D?/AU

=> d an ti so au ab pi l10 21 12 9 25

L10  ANSWER 21 OF 26  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   2002:403935  CAPLUS
DN   136:396983
TI   Nucleotide sequence encoding yeast restriction endonuclease I-SceI and
     uses in genetic mapping and site-directed gene recombination
SO   U.S., 84 pp., Cont.-in-part of U.S. 5,792,632.
     CODEN: USXXAM
IN   Dujon, Bernard; Choulika, Andre; Perrin, Arnaud; Nicolas, Jean-Francois
AB   The present invention relates to an isolated yeast DNA encoding the
     restriction endonuclease I-SceI, and use of I
     -SceI for mapping eukaryotic genomes and for in vivo site
     directed genetic recombination.  Specifically, the invention relates to a
     vector comprising a plasmid, bacteriophage, or cosmid vector contg. the
     DNA sequence of the enzyme I-SceI.  The invention also
     relates to E. coli, eukaryotic cells transformed with a vector of the
     invention, transgenic animal with the DNA sequence encoding
     I-SceI.  The invention relates to a transgenic
     organism in which at least one restriction site for the enzyme I
     -SceI has been inserted in a chromosome of the organism.  The
     invention further relates to methods for gene mapping in yeast chromosome,
     yeast artificial chromosome, and cosmids, and site-directed insertion of
     genes.
     PATENT NO.        KIND  DATE          APPLICATION NO.  DATE
     --------------    ----  --------      --------------   --------
PI   US 6395959         B1   20020528      US 1996-643732   19960506
     US 5474896         A    19951212      US 1992-971160   19921105
     US 5792632         A    19980811      US 1994-336241   19941107
     US 2003182670      A1   20030925      US 2002-152994   20020523

L10  ANSWER 12 OF 26  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   1998:545391  CAPLUS
DN   129:172448
TI   Cloning and expression of gene for restriction endonuclease I-SceI of
     Saccharomyces cerevisiae and use of I-SceI
SO   U.S., 79 pp., Cont.-in-part of U. S. 5,474,896.
     CODEN: USXXAM
IN   Dujon, Bernard; Choulika, Andre; Perrin, Arnaud; Nicolas, Jean-francois
AB   A mitochondrial gene encoding restriction endonuclease I-
     SceI of Saccharomyces cerevisiae and a synthetic universal code
     encoding I-SceI for the expression in Escherichia coli
     and yeast are provided.  Applications of I-SceI for
     genetically mapping yeast chromosomes by the nested chromosomal
     fragmentation strategy, inducing double stranded DNA break, and in vivo
     site-directed insertion of genes and homologous recombination in
     eukaryotes are also described.  It may also be used for prepg.
     transgenic animal models of human diseases and genetic disorders.
     PATENT NO.        KIND  DATE          APPLICATION NO.  DATE
     --------------    ----  --------      --------------   --------
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PI	US 5792632	A	19980811	US 1994-336241	19941107
	US 5474896	A	19951212	US 1992-971160	19921105
	US 5866361	A	19990202	US 1995-465273	19950605
	CA 2203569	AA	19960517	CA 1995-2203569	19951106
	WO 9614408	A2	19960517	WO 1995-EP4351	19951106
	WO 9614408	A3	19960829		

W: CA, JP
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

	EP 791058	A1	19970827	EP 1995-938418	19951106

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

	JP 10508478	T2	19980825	JP 1995-515058	19951106
	US 6395959	B1	20020528	US 1996-643732	19960506
	US 5948678	A	19990907	US 1998-119024	19980720
	US 2003182670	A1	20030925	US 2002-152994	20020523

L10 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1996:428575 CAPLUS
DN 125:107019
TI Nucleotide sequence encoding yeast enzyme **I-SceI** and its use in inducing homologous recombination in eukaryotic cells and protein production in **transgenic** animals
SO PCT Int. Appl., 122 pp.
CODEN: PIXXD2
IN Choulika, Andre; Perrin, Arnaud; Dujon, Bernard; Nicolas, Jean-Francois
AB Synthetic DNA encoding the enzyme **I-SceI** is provided. The DNA sequence can be incorporated in cloning and expression vectors, transformed cell lines and **transgenic** animals. The vectors are useful in gene mapping and site-directed insertion of genes. A synthetic gene encoding Saccharomyces cerevisiae **I-SceI** restriction endonuclease was expressed in Escherichia coli and yeast. The enzyme was used in genetic mapping of a yeast chromosome, of YAC's, and of cosmids. **I-SceI** efficiently induced double-stranded breaks in a chromosomal target in mammalian cells and the breaks were repaired using a donor mol. that shares homol. with the regions flanking the break.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9614408	A2	19960517	WO 1995-EP4351	19951106
WO 9614408	A3	19960829		

W: CA, JP
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

US 5792632	A	19980811	US 1994-336241	19941107
EP 791058	A1	19970827	EP 1995-938418	19951106

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

JP 10508478	T2	19980825	JP 1995-515058	19951106

L10 ANSWER 25 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2003:242490 CAPLUS
DN 138:266837
TI in situ formation of linear DNA for random integration into a host genome by linearization of circular DNA
SO PCT Int. Appl., 88 pp.
CODEN: PIXXD2
IN Choulika, Andre; Joly, Jean-Stephane; Thermes, Violette; Ristoratore, Filomena
AB A method for in vivo generation of a linear polynucleotide with free 5'- and 3'- ends from a circular vector that can integrate at random into a host genome is described. The vector contains a specific cleavage site for linearization that is either extremely rare or not found in the genome of the target cell, specifically, a cleavage site for a meganuclease. The meganuclease may be introduced into the cell by methods such as direct injection of the enzyme or its RNA or by introduction of the gene on an expression vector. The mutagenic sequence and the meganuclease gene may be on sep. vectors. The linear DNA is mutagenic and can be used to develop cells with new properties and uses, for example for prodn. of proteins or other genes, biomols., biomaterials, **transgenic** plants, vaccines, **transgenic** animals or for treatment or prophylaxis of a condition or disorder in an individual. The method is demonstrated in cultured animal cells. A plasmid carrying a green fluorescent protein reporter gene under control of a muscle-specific

promoter and flanked by two **I-SceI** cleavage sites was coinjected with **I-SceI** nuclease into eggs of Oryzias latipas. The fish from eggs treated in this manner showed expression of the reporter gene throughout the trunk musculature. In control expts. with circular DNA only or an expression construct linearized in vitro, expression was, missing, weak or sporadic. Efficiency of transmission of the transforming DNA was dependent on the copy no. of the transforming DNA in the founder cells. The.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003025183	A2	20030327	WO 2002-EP10224	20020912
	WO 2003025183	A3	20030828		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003106077	A1	20030605	US 2002-242664	20020913